

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M-107436
Date Received: 12/15/05
Date Extracted: 12/20/05
Date Analyzed: 12/20/05
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M107436
Lab ID: 512166-01
Data File: 512166-01.018
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	93	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
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Chromium	452
Nickel	684
Copper	532 ca
Zinc	<10

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M107436
Date Extracted:	12/20/05	Lab ID:	I5-343 mb
Date Analyzed:	12/20/05	Data File:	I5-343 mb.007
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	91	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10 ca
Zinc	<10

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 12/23/05

Date Received: 12/15/05

Project: Metro Self Monitor, PO# M107436, F&BI 512166

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 512173-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	<10	<10	nm	0-20
Nickel	ug/L (ppb)	<10	<10	nm	0-20
Copper	ug/L (ppb)	<10	<10	nm	0-20
Zinc	ug/L (ppb)	<10	<10	nm	0-20

Laboratory Code: 512173-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	<10	88	50-150
Nickel	ug/L (ppb)	20	<10	88	50-150
Copper	ug/L (ppb)	20	<10	46 vo	50-150
Zinc	ug/L (ppb)	50	<10	106	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	98	70-130
Nickel	ug/L (ppb)	20	85	70-130
Copper	ug/L (ppb)	20	84	70-130
Zinc	ug/L (ppb)	50	95	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

vo - The value reported fell outside the control limits established for this analyte.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 23, 2005

DUPLICATE COPY

INVOICE #05ACU1223-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M107436, F&BI 512166 - Results of testing
requested by Gerry Thompson for material submitted on December 15, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID #

(b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Seattle, WA 98119-2029
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December 23, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

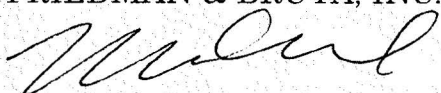
Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 15, 2005 from the Metro Self Monitor, PO# M107436, F&BI 512166 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1223R.DOC

512166

SAMPLE CHAIN OF CUSTODY

ME 12/15/05

A14

Send Report To

Gerald Thompson

Company

Alaskan Copper Works

Address

628 S. HANSON ST

City, State, ZIP

Seattle, WA 98134

Phone #

206-382-8379

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

Metro Self monitor
Grub

PO #

M-107436

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						
M-707436	01	12/15/05	10:15	H2O	1							✓ COC, 2520					

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

Gerald Thompson

Michael E. Dahl

COMPANY

ACW

Phine

DATE

12/15/05

L

TIME

11:35a

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